

Kadymov, A. Kh.

Fabry-Perot Laser Interferometer For Measuring
Plasma Density in Unsteady Flow.

5 pp

PRIBORY I TEKHNIKA EKSPERIMENTA, Moscow, No 5, 1973,

pp 196-199.

JPRS 62679

PRIKLADNAYA BIOKHIMIYA MIKROBIOLOGIYA

APPLIED BIOCHEMISTRY AND MICROBIOLOGY

COVER TO COVER CONSULTANTS BUREAU

BEGAN WITH 1965 issues

SOLOVEY, V. I.

Isolation of Nitrite Reductase, from *Achromobacter*
guttatus-921 and Examination of its Properties.

PRILADNAYA BIOKIMIYA I MIKROBIOLOGIYA, vol. 6, no. 6

pp. 686-691, 1970.

ATS 31a131R

March 73

REQ IN CHECK

11-01-73

APPLICATION OF THE METHOD OF LUMINESCENT
ANTIBODIES FOR MICROBIOLOGICAL CONTROL
OF FOOD INDUSTRIES: A REVIEW

UNKNOWN

UR: PRIKLADNAYA BIORKHIMIYA I MIKROBIOLOGIYA
VOL. 8, NO. 4, 1971, PP. 379-385

*Process in a**H573-22-0467**Neg
17 APR 73*

CONTENT OF FREE NUCLEOTIDES IN AUTOHYDROLYZING MUS-
CLES OF FISH DURING GAMMA-IRRADIATION
KLYASHTORIN, L. *Concluded* LANGUAGE-RU COUNTRY-UR

PRIKLADNAYA BIOKHIMIYA I MIKROBIOLOGIYA, ISS.
1, V. IX, 1973, 86-90.

FSTC-HT-23-0454-74

EXAMINATION OF IRRADIATED FROZEN EGGS DURING
LONG-TERM STORAGE

POPKOV, V., YUN LANGUAGE-RU COUNTRY-UR

PRIKLADNAYA BIOKHIMIYA I MIKROBIOLOGIYA, 1/IX
1973, "NAUKA", 91-93

FSTC-HT-23-0455-74

Philippov, E. M.

Theory of Gamma-Gamma Logging.
PRIKL. GEOPIZ. NO.17, PP.231-64, 1957.
A.T.S RJ-5960

Kantor, S. A.

Influence of Well Diameter on Neutron-Neutron
Logging Instrument Indications.

PRIKL. GEOFIZ. No. 23, pp.174-92, 1959.

A.T.S RJ-5959

Tal'yanskiy, I.I.

Fundamentals of the Theory of Pulse Neutron
Logging.

PRIKL. GEOFIZ. No.26, pp.113-38, 1960.

A.T.S RJ-5961

Salikhov, A.G.

Rapid Method of Calculating the Depth of Occur-
rence of Rectangular-Prism-Shaped Bodies Dis-
turb the Gravitational Field.
PRIKL. GEOFIZ. No.31, pp.230-47, 1961.
A.T.S RJ-5952

Polyakov, E. A.

The Theory of Transmission without Wires of Electrical Signals from the Bottom of the Hole to the Surface During Drilling.

PRIKL. GEOFIZ. No.32, pp.142-54, 1962.

A.T.S. RJ-5955

Kal'vanskaya, V.P.

An Apparatus for Logging Magnetic Susceptibili-
ty.

PRIKL. GEOFIZ., No. 33, pp. 213-24, 1962.

A.T.S RJ-5951

Namtaov, L. D.

The Prospects of High-Precision Gravity Pros-
pecting in the Search for Oil.

PRIKL. GEOFIZ. No. 35, pp.142-56, 1962.

A.T.S RJ-5948

Gorbik, G.N. et al

Machine Interpretation of Lateral-Logging
Curves.

PRIKL. GEOFIZ. No. 39, pp.94-106, 1964.

A.T.S RJ-5949

Kulinkovich, A.S. et al

The Location of Bed Boundaries and Identification of Sandstones on the Basis of Electric Well Logging Data with the Aid of Digital Computers.

PRIKL. GEOFIZ. No.39, pp.107-113, 1964

A.T.S RJ-5950

Oblogina, T. I.

The Spectral Make-Up of Diffracted Seismic Waves.
PRIKL. GEOFIZ., No. 42, pp.3-18, 1965.

A.T.S RJ-5947

Sokhranov, N. F.

Lithological zonation of well sections and identification of reservoir rocks by means of computers

PRILADNAYA GEOFIZIKA, n. 48, 1966, pp. 105-108

NTC 73-13004-036

Mikolaevskiy, E. Yu.

Evaluation of the Presence of Oil and Gas in
Clayey Reservoirs from Logging Data.
PRIKL. GEOFIZ. No. 52, pp.192-201, 1967.
A.T.S. FJ-5310

Nikolaev, I. V.

A Correlation Technique For Reducing Recording of Transformed Passing Seismic Waves.

PRIKL. GEOFIZ. Vol. 53, pp.62-70, 1968.

A.T.S. RJ-5300

Goldin, S. V.

Statistical correlation of a wave field
with seismic characteristics of continuous
and thin-layered media at normal incidence.
PRIKLADNAYA GEOFIZIKA, 1969, pp 61-69, n. 57.
NTC 73-12130-08K.

Absorption properties of consolidated (non-plastic) media
PRIKLADNAYA GEOMETRIYA, n. 77, 1960, pp. 99-111
NTC 73-18136-04G

Petrouskiy, A.S.

Subsurface Radiowave Method Theory.
PRIKL. GEOFIZ., N.65, pp.155-59, 1966.
A.T.S RJ-5923

Slavovskii, A. I.

Dynamic corrections for inclined trajectories
PRILADNAYA GEOFIZIKA, n. 58, 1970, pp. 74-78
NTC 78-13087-20F

Vesely, L.

Self-induction effect of effective length
of multicoil induction logging probes.
PRIKLADNAYA GEOFIZIKA, n. 59. p. 199-207,

1970

ATS as 27A129R

may 73

Borkovskii, G. M.

Primary trends in the development of
digital recording and processing of
seismic exploration data.

PRIKLADNAYA GEOFIZIKA, n. 60, p. 53-60, 1970.

ATS as 94A129R

may 73

---/---/1972, V. ---, NTC 74-10457-08XG@
A Statistical Algorithm of a Common Inverse
Reflector for Multiple Profiling by the Method
of Reflected Waves,
pp 7-20, NTC 74-10457-08XG@

NEW TR CHECK

1-1-1-1

REPORT OF THE MEETING OF THE BOARD OF DIRECTORS
ON THE DRAFTED SUBMITTAL OF THE BOARD OF DIRECTORS
OF THE GENERATED ENERGY
MAYOROV, V. P.
UR: PRIBLADNAYA STROYKHO. VSEKOTUZHNY
KHAUCHO INNOVATSELSKIY INSTITUT
GEOLICHESKIE IZUCHENIYA
1-72, 1-1-1-1

On 1-1-1-1
FTO-11-1-1-1-1

Chadayev, N.S.

Evaluation of Gravimetric Observations in Bore
Holes.

PRIKL. GEOFIZ., N65, pp.164-6, 1972.

A.T.S RJ-5922

Lukavchenko, P. I.

The Feasibility of Measuring Gravity Variations
in Boreholes.

PRIKL. GEOFIZ., No.65, pp.167-172, 1972.

A.T.S RJ-5926

Calculation of the Effect of Relief on a Buried Density Interface on Values of Vertical Gravity Gradient.

PRIKL. GEOFIZ., No.65, pp.173-86. 1972.

A.T.S RJ-5921

ZENOV, A. A.

//PRIKLADNAYA GEOFIZIKA//

--/--/1972, V---, N0066,

*Theoretical premises for using inverses and for
filtration in the method of common depth points*

pp 73-82, NTC 74-11403-08X##

E. Ya. Vassilov et al.

Moscow, Priladnaya Geofizika, no. 68, 1972, pp 153-155

Please publish, include reproduction.

Kozlov, E. A.

The Effect Of Smoothing And Interpolation In
The Processing Of Seismic Survey Data.

PRIKL. GEOPIZ., VSES. NAUCHN. - ISSLED. INST.
GEOPIZ. METODOV RAZVEDKI, SE. STATIST. NO. 46,
PP. 8-24. 1966

A.T.S. RJ-5301

Baev, A.K. et al

Study of the Thermal Decomposition of Iron Tetracarbonyl.

PRIKL. KHIM. 1972, V.4, pp.25-33.

BISI 11921

Dudkin, M.S.

Preparation of Polyaldehyde Starch and Synthesis
of Its Derivatives

PRIKLADNOI KHIMII, Vol 45, No 9, 1972

*NTIS-TT-74-53264

Method of differentiation with respect to a
parameter in the theory of periodic solutions
to differential equations 5 pp
pp 61-64 AIR/FTD/HT-23-2060-74#1

1978, V. 1.
//PRIKLADNAYA MATEMATIKA I KIBERNETIKA, //
--/--/1978, V. 1, N. 1,
On the analysis of linear nonstationary-state
systems by the integral transform method 4 pp
pp 20-21, AIR/PTD/NT-23-2081-74(00)

SHIBATA, K. C.
//PRIMAVERA MATEMATICA I MATEMATICHE, //
--/--/1978, 7, 111-117, 111-117.
Study of the stability of solutions to a
quasisteady state system of linear differential
equations with quasiperiodic coefficients 6 pp
PP 114-117, AIR/PTD/HT-23-2062-74 (00)

Payukh, P.V.

Application of the perturbation method to solve problems
of the natural vibrations of nearly rectangular plates.

INSTITUT MEKHANIKA AKADEMII NAUK SSSR. MIREMASHINATA
MATEMATIKA I MEKHANIKA, Vol 16, 1958, pp 349-351.

NAL-TR-81

DYNAMIC METHOD OF INVESTIGATION OF THE
A COMPRESSED ROD

DEYNEKO, K., LE LANGUAGE-RU COUNTRY-UK

PRIKLAD. MAT. I MEKHANIKA, TOM XIX, 1955, #6,
738-744

*
FSTC-HI-23-0845-74

Gottlieb, TS. A. and Protopov

Equation of equilibrium of a plate of variable thickness.
AN ENGR. ENGINEERING JOURNAL, Vol 34,
No 2, 1970, pp 132-138.

7AL-TR-115

Time Optimal Problem in Systems With Control Forces of
Limited Magnitude and Pulse, by A. M. Poroshin, 22 pp.
ПРИКЛАДНАЯ МАТЕМАТИКА И МЕХАНИКА, Vol 34, 1970,
pp 836-849.
ARM/FSTC/HT-23-1036-72

Feb 73

11-Sep-73

Uncl (MLM--2084(tr)) Steadiness of convective
currents of binary mixtures in plane thermodiffusion
columns. NIKOLAEV, B.I.; TUBIN, A.A. Translated from
Prikl. Mat. Mekh. 35: No. 2, 248-254(1971). 11p.
Dep. NTIS \$4.00.

07A chemical engineering; translations
MN-4 P NSA

Some Solutions of the Laimar Boundary-Layer Equations
with Strong Injection, by V. N. Filimonov.

PRIKLADNAYA MATEMATIKA I MEKHANIKA, Vol 36, No 4,
1972, pp 647-658.

NAVY/APL/JHU-T-2723

June 73

UNCLASSIFIED

//PRIKLADNAYA MATEMATIKA I MEKHANIKA//

--/--/1978,V0037,N----

Journal of Applied Mathematics and Mechanics

C/C translation being done by Pergamon Press Ltd.

and supplied approx. 12 months after Russian

Journal is published. A Bi-Monthly.

Per Letter 10 May 197400

Memorandum, No. A.

Echo signal of a finite spherical pulse from an elastic cylindrical shell.

PRILADAYA MATEMATIKA I MEKHANIKA, Vol. 23, No. 3, 1978,

pp 374-384

NTC 78-16120-20K

U-7786

BURDEN, A. A.

//ФИЗИКА МАТЕМАТИКА I МЕХАНИКА//

--/--/1973, V0037, K0005,

On Shockwave Propagation in an Elastic Medium
under Plane Finite Strain,

pp 900-904, NTC 74-10418-01A60

REQ TR CHECK

9-05-78

TQ23

WAVES IN AN INCOMPLETELY ELASTIC MEDIUM

SABODASH, P F

UR: PRIKLADNAYA MATEMATIKA I PROGRAMIROVANI-

YE, NO. 3, 1970, pp. 70-78

In process as
47-23-2606-74

PRIKLADNAYA MEKHANIKA

SOVIET APPLIED MECHANICS

COVER TO COVER CONSULTANTS BUREAU

BEGAN WITH 1966 ISSUES

Bivin, Yu. K.

Carrying capacity of cylindrical shells subjected
to dynamic external pressure.

PRIKLADNAYA MEKhanika. KIEV, Vol 6, No 10, 1970,
pp 28-34.

NTC 73-11354-20K

Grigolyuk, E. I.

State of the art of the theory of multilayer shells.
PRIKLADNAYA MEKhanika, KIEV, Vol 8, No 6, 1972,
pp 3-17.

NTC 73-11351-20K

Zadoroznyi, V.F.

Estimation of the influence of couplings between subsystems on the stability of a linear non-stationary system.

PRIKLADNAYA MEKHANIKA, Vol. 8, No. 9, pp.65-71, 1972.

*APL/JHU J-1872

BUIVOL, V.N.

//PRIKL. MEKH.//

--/--/1974,V0010,N0007,pp 0120-0125,

Deformation of Thin Three-Dimensional Caverns in
a Gravity Fluid under the Effect of Lift on the
Cavitator, 5 pp

CIA/X-7924

##

Savin, G.N. and Van Poff, G.A.

Stress distribution at an elliptical hole in a plate of fibrous material.

AKADEMIYA NAUK UKRAIN SSSR, PRILADNAYA MEKHANIKA,
Vol 2, No 5, 1966, pp 5-11.

NAL-TR-51

Podstrigach, Ya. S. and Onadchuk, V. A.

Thermal stresses in an infinite stringer-reinforced
cylindrical shell.

PRIKLADNAYA MEKhanika, Vol 4, No 5, PP 15-27.

NAL-TR-29

Van Pelt, G.A.

Stress concentration around holes in three layer shells.

AKADENIA HAUU UHIAHIAI HUUU, HUKU AHIHIAI HUKU HUKU,
Vol 5, No 2, Feb 1969, pp 51-61.

HAL-TR-70

REQ. TR CHECK

11-28-73

117

RANDOM DISTURBANCES OSCILLATIONS OF MULTI-
MASS SYSTEMS DURING KINEMATICS

LAZARYAN, V.A.; USEKALOV, V.I.

UR: PRIKLADNAYA MEKhanika, VOL. 6, 1971,

NOV, pp. 110-113

*C/c Plenum Press**Process in as**HS74-23-0270*

Kovalenko, A.D. and Vokhmay, I.I.

Application of the generalized hypergeometric functions
into the thermoelastic cylindrical shell of variable
thickness.

PRILADNAYA MEKHANIKA, Vol 6, No 5, 1970, pp 114-129.

NAL-TR-87

СОВЕТСКИЙ СОЮЗ
//ПРЕКЛАДНАЯ МАШИНА//

--/--/1970, 40000, 00010

Propagation of Short Waves in a Cylindrical Shell, 8 pp
no pp given, ARM/PSTC-HT-25-404-7200

REC TR CHECK

7-18-71

T211

THE ACOUSTIC CONDUCTANCE OF THE COMBUSTION
SURFACE OF A SOLID FUEL MIXTURE
SULIMA, I.M.

UR: PRIKLADNAYA MEKhanika, VOL. 8, No. 2,
1972, pp. 100-107

C/c Plenum Press

Process in as

H574-23-0211

REQ TR CHECK

16-01-74

TE93

REACTION OF A GLASS PLASTIC CYLINDRICAL
SHELL TO EXPLOSIVE SHOCK LOAD

NAYEN, A.A.; OVECHNIKOV, V.K.

UR: PRIKLADNAYA MEKANIKA, VOL. 8, NO. ,
1972, pp. 20-25*Process in as*

HT 74-23-1488

Zadorozhnyi, V.F.

Evaluation of the influence of couplings between sub-systems on the stability of a linear nonstationary system.

Prikladnaya Mekhanika, Vol. 8, No. 9, pp.65-71, 1972.

APL T-2779

Li, A.I. and Malin, A.M.

Vibration of cylindrical shells of variable thickness
and stiffness.

AKADEMIYA NAUK UKRAINSKOI SSSR, PRILADNAYA MEKANIKA
Vol 7, No 6, 1971, pp 43-48.

NAL-TR-97

Valley, K.Y. and Goto, A.N.

Calculation of natural frequencies of cylindrical shells.
 ANANDHIAKASHI SANKAR SANKARANARAYANAN, *et al.*
 Vol 7, No 6, 1971, pp 49-55.

ANATOMIA EMBRYOLOGIAE
Vol 7, No 6, 1971, pp 49-55.

NAL-TR-98

1971, P.2.

Stress concentration around a circular hole in a conical shell.

AKADEMIYA NAUK UKRAINSKOI SSSR, PRILADNAYA MEKHANIKA,
Vol 7, No 2, 1971 pp 63-70.

NAL-TR-84

Levin, A. N.
Vibration of a cylindrical shell due to random loading.
AKADEMIYA NAUK SSSR, FIZIKAL'SKAYA MEKHANIKA,
Vol 7, No 2, 1971, pp 117-122.

NAL-TR-93

Torsion of a conical shell, weakened by a large circular hole.

PRILADNAYA MEKhanika, Vol 7, No 5, pp 116-120.

NAL-TR-91

Volk, B. I.

Cyclic symmetric strain of shells of revolution with
meridian ribs

PRIKLADNAYA MEKANIKA, v. 7, n. 8, 1971, pp. 15-23

NTC 72-13089-20K

On the problem on vibrations of wheel with concentrated
mass.
AKADEMIYA NAUK UKRAINSKOI SSSR, PRILAZHNIYA INZHINIERA,
Vol 8, No 1, pp 22-26.

NAL-TR-124

Popov, A.A.

Free vibration of conical shells with different boundary conditions.

AN UKRAINSKOI SSSR, PRIKLADNAIA MEKHANIKA, Vol 8, No 1, 1972, pp 35-40.

NAL-TR-125

Koslov, V.E.

Thermoelastic vibration of a rectangular plate.
PRIKLADNAYA MEKHANIKA, Vol 8, No 4, pp 123-127.

NAL-TR-155

Shablyi, O. N.

On the steady creep of shells of revolution in the
tresk criterion case.

PRIKLADNAYA MEKhanika, Vol 8, No 5, p. 13-20, 1972.

NTC 73-10612-20K

may 73

Makarov, S. F.

Optimality conditions for a problem of vertical
lift with a variable mass.

PRIKLADNAYA MEKHANIKA, KIEV, Vol 8, No 5, p. 131-134,
1972

NTC 73-10483-20K

may 73

Kulgavchuk, V. M.

On the influence of the rate of pulsed heating of a
rod on the magnitude of the thermoelastic stresses.
PRIKLADNAYA MEKhanika. KIEV, v. 8, n. 6, p. 90-95,
1972

NTC 73-10945-20K

Bukatov, A. E.

Influence of fluid inhomogeneity of the vibrations
of a thin elastic plate.

PRIKLADNAYA MEKHANIKA, KIEV, v. 8, n. 6, p. 111-117.
1972.

NTC 73-10944-20K

to the action of a blast load, shell
PP 20-25, AIR/PTD-RT-23-1408-7400

7/1/1972, V0008, NC010,
Stability of Asymmetric Form of Motion of
Flexible Shallow Shells, 9 PI.
PP 12-19, NISC 356000
NAV/NISC - tran - 3560-74

Ganiev, R. F.

Resonance Phenomena in the Nonlinear Vibrations of
Solids 29 pp

Prikl. Mekh., Vol. 8, No. 12, 1972, pp 45-70

CIA-X-7812

Russos, Yu. I.

Stability of a rectangular plate under compression.

PRILADAYA MEKHANIKA. KINV, Vol 8, No 11, 1970,

pp 188-189

HTC 78-18782-20K

Gordon, E. F.

Resonance phenomena in the nonlinear interactions of
collide.

PHYSICAL REVIEW LETTERS, Vol 8, No 10, 1978, pp 46-70
EFC 78-10100-100

CIA-X-7812

Orlov, V. A.

Rotational three-dimensional motion of a flying
vehicle entering the atmosphere at hypersonic
velocity.

PRILADNAYA MEKHANIKA. KIEV, Vol 8, No 13, 1978,

pp 71-79

HTC 78-14021-20X

X-7782

Grebov, V.A. & Kuznetsov, A.V.

Nonstationary Three-Dimensional Motion of a Flying
Vehicle Entering the Atmosphere at Hypersonic
Velocity.

PRIKL, MEKH. Vol 8, No 12, 1973, pp 71-76

X-7782

July 1973

Kennedy, A. I.

Stability and weight optimization of rectangular and spherical shells under external pressure. 18 pp.

Engineering Research, Vol 9, No 2, Oct 1978, pp 80-88
AIAA-78-1318-78

Agency: Army/Redstone

P.O.# : NIPR No. AS1682-46-1187

17 Feb 73

Title: Forced Vibrations of Elastic Shells of
Revolution Filled with Liquid

Author: A. D. Prusilovskii, V. P. Shmakov

Source: Prikladnaya Mekhanika, 9, March, 68-75 (1973)

Language: Russian

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✓ VYNUZHDENNYE KOLEBANIYA UPRUGIKH OBLUCHEK
VRASHCHENIYA, ZAPOLNENNYKH ZHIDKOST'YU.

MEHNER, A. A.
// KRYKABIMAYA KENKABIMAYA
--/--/1973, V0000, 10000,
Vibrations and Stability of Shells of Revolution
with Discrete Inclusions, and Holes, 6 pp
PP 00-31, 100 01-10000-10000

CIA-X-7860

Kubenko, V.D.

Effect of Nonstationary Waves on a Cylindrical
Body in a Compressible Fluid 5 pp

PRIKL. MEKH. Vol 9, No 12, 1975, pp 77-82

CIA-X-7883

2
RUSSIANSPR 3242
U-2
CSO: 8344/0453

Equivalent Finite Rotations and the Problem of the
Errors of an Autonomous Determination of Coordinates
by OF Boychuk.

Kiev, Prikladnaya mekhanika, No. 2, 1971, pp. 84-100

Please Publish

4 RUSSIAN

CSC: 8344/0453
12 September 1974

Problem of Minimizing the Absolute Value of the Central Moment of Elastic Imbalance of a Gyroscope
by L.N. Blokhin.

Kiev, Prikladnaya mekhanika, No. 4, 1974, pp. 117-122

Please publish

... ..
... ..

On the increasing population of CO₂ molecules in expanding
gas phase. 21p

... .. No 6,
1971, pp 24-35

NAV/HSC-trans-3468-78